

IN THE CLAIMS:

Please amend the claims as follows, substituting any amended claim(s) for the corresponding pending claim(s):

- 1 1. (Original) A prosthesis adapted for contact with the sclera of an eyeball, said prosthesis
2 comprising:
3 a central body portion having a first end and a second end, at least one end portion
4 extending from either said first or second end of said central body portion, said at least one end
5 portion having a width greater than said central body portion,
6 said central body portion having a bottom surface which is curved along a long axis
7 of said prosthesis,
8 wherein a curvature of said bottom surface is greater than a curvature of an innermost
9 surface of a scleral pocket or tunnel into which said prosthesis is to be implanted,
10 wherein said prosthesis is adapted to expand a portion of a sclera proximate to the
11 scleral pocket or tunnel when said prosthesis is inserted within said scleral pocket or tunnel, and
12 wherein said end portion is adapted to rest on a portion of said sclera outside said
13 scleral pocket or tunnel when said prosthesis is inserted within said scleral pocket or tunnel and to
14 inhibit rotation of said prosthesis within said scleral pocket or tunnel.

1 2. (Original) The prosthesis according to claim 1, wherein said at least one end portion has
2 a width greater than a width of said scleral pocket or tunnel into which said prosthesis is to be
3 implanted.

1 3. (Currently Amended) The prosthesis according to claim 1, wherein said ~~central body~~
2 ~~portion~~ prosthesis tapers steeply from a thickness of said central body portion to a thickness of said
3 at least one end portion within a region where said at least one end portion joins said central body
4 portion.

1 4. (Withdrawn) The prosthesis according to claim 1, wherein said at least one end portion
2 has a flat bottom surface.

1 5. (Original) The prosthesis according to claim 1, wherein said prosthesis has an overall
2 arcuate shape.

1 6. (Original) The prosthesis according to claim 1, further comprising:
2 a tapered end portion extending from one of said first or second ends opposite another
3 of said first and second ends from which said at least one end portion extends.

1 7. (Withdrawn) The prosthesis according to claim 1, further comprising:

2 at least one groove within a surface of an end portion extending from one of said first
3 or second ends opposite another of said first and second ends from which said at least one end
4 portion extends.

5 8. (Withdrawn) A vision correction structure, comprising:

6 a plurality of arcuate prostheses positioned within scleral pockets or tunnels around
7 a cornea of an eye.

8 9. (Withdrawn) The vision correction structure according to claim 8, wherein said plurality

9 of arcuate prostheses are equidistantly spaced.

1 10. (Original) A vision alteration structure, comprising:

2 at least one prosthesis for insertion into a pocket or tunnel within a sclera for an eye,

3 comprising:

4 a body having a central portion and at least one end portion integrally formed

5 with and extending from an end of said central portion, said at least one end portion being

6 wider and thinner than said central portion,

7 said central portion having at least one curved surface for contacting an inner

8 surface of said scleral pocket or tunnel into which said prosthesis is to be implanted,

9 wherein said prosthesis is adapted to expand a portion of a sclera proximate

10 to said scleral pocket or tunnel when said prosthesis is inserted within said scleral pocket or

11 tunnel.

1 11. (Original) The vision alteration structure according to claim 10, wherein said at least

2 one end portion rests on a surface of said sclera outside said scleral pocket or tunnel when said

3 prosthesis is inserted within said scleral pocket or tunnel.

1 12. (Withdrawn) The vision alteration structure according to claim 10, wherein said at least
2 one end portion further comprises:

3 two end portions integrally formed with and extending from opposing ends of said
4 central portion, each end portion wider and thinner than said central portion and resting on a surface
5 of said sclera outside said scleral tunnel when said prosthesis is inserted within said scleral tunnel.

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2 13. (Original) The vision alteration structure according to claim 10, wherein said at least
one end portion is wider than said scleral pocket or tunnel when said prosthesis is inserted within
said scleral tunnel.

1 14. (Original) The vision alteration structure according to claim 13, wherein said at least
2 one end portion is sized to pass through said scleral tunnel as said prosthesis is inserted into said
3 scleral tunnel.

1 15. (Currently Amended) The vision alteration structure according to claim 10, wherein a
2 portion of said prosthesis ~~including a region~~ where said central portion ~~as~~ and said at least one end
3 portion join tapers steeply from a thickness of said central portion to a smaller thickness of said at
4 least one end portion.

1 16. (Withdrawn) The vision alteration structure according to claim 10, wherein said at least
2 one end portion has a bottom surface including a flat region.

1 17. (Original) The vision alteration structure according to claim 10, wherein said at least
2 one prosthesis has an overall arcuate or angled shape.

1 18. (Original) The vision alteration structure according to claim 10, further comprising:
2 a tapered end portion integrally formed with and extending from an end of said central
3 portion opposite said at least one end portion.

1 19. (Withdrawn) The vision alteration structure according to claim 10, further comprising:
2 at least one position retaining groove within a surface of an end portion integrally
3 formed with and extending from an end of said central portion opposite said at least one end portion.

1 20. (Currently Amended) A vision correction structure including the vision alteration
2 structure of claim 10, the vision correction structure comprising:
3 a plurality of additional prostheses each having a structure of said at least one
4 prosthesis, said plurality of additional prostheses and said at least one prosthesis positioned within
5 equidistantly spaced scleral pockets or tunnels around a cornea of an eye.